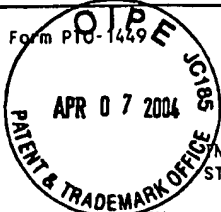




Sheet 1 of 1

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|--|--|--|--|----------------------------------|-------|------------------------------------|-------------------------------|----|
| Form PTO-1449  |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | ATTY. DOCKET NO.<br>678-1313     |       | SERIAL NO.<br>10/733,526           |                               |    |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary)  |  |  |  | APPLICANT<br>Takahiko KISHI      |       |                                    |                               |    |
|  |  |  |  | FILING DATE<br>December 11, 2003 |       | GROUP ART UNIT<br>Not Yet Assigned |                               |    |
| U.S. PATENT DOCUMENTS  |  |  |  |                                  |       |                                    |                               |    |
| EXAMINER<br>INITIAL  |  | DOCUMENT NUMBER  | DATE   | NAME                             | CLASS | SUBCLASS                           | FILING DATE<br>IF APPROPRIATE |    |
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| FOREIGN PATENT DOCUMENTS   |  |  |  |                                  |       |                                    |                               |    |
|  |  | DOCUMENT NUMBER  | DATE   | COUNTRY                          | CLASS | SUBCLASS                           | TRANSLATION                   |    |
|  |  |  |  |                                  |       |                                    | YES                           | NO |
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|  |  |  |  |                                  |       |                                    |                               |    |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |  |  |  |                                  |       |                                    |                               |    |
| RC<br><br>RC   |  | 1.   | Henry T. Nicholas, III et al., "An Analysis of the Output Spectrum of Direct Digital Frequency Synthesizers in the Presence of Phase-Accumulator Truncation", 41 <sup>st</sup> Annual Frequency Control Symposium - 1987, pp. 495-502. |                                  |       |                                    |                               |    |
|  |  | 2.   | Jouko Vankka, "Spur Reduction Techniques in Sine Output Direct Digital Synthesis", 1996 IEEE International Frequency Control Symposium, pp. 951-959.   |                                  |       |                                    |                               |    |
|  |  |  |  |                                  |       |                                    |                               |    |
|  |  |  |  |                                  |       |                                    |                               |    |
| EXAMINER   |  | DATE CONSIDERED  |  |                                  |       |                                    |                               |    |
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(Form PTO-1449 (6-4))

|  |   |  |                                  |                          |
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|  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                            |  | ATTY. DOCKET NO.<br>678-1313     | SERIAL NO.<br>10/733,526 |
|  | INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use several sheets if necessary) |  |                                  |                          |
|  | APPLICANT<br>Takahiko KISHI   |  | FILING DATE<br>December 11, 2003 |                          |

## U.S. PATENT DOCUMENTS


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| RC                  | 2002/0048325    | 4/25/2002 | Takahiko         |       |          |                               |
| RC                  | 5,371,765       | 12/6/1994 | Guilford         |       |          |                               |
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| RC                  | 6,463,266       | 10/8/2002 | Shohara          |       |          |                               |
|                     |                 |           |                  |       |          |                               |
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## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|----|-----------------|------------|---------|-------|----------|-------------|----|
|    |                 |            |         |       |          | YES         | NO |
| RC | EP 0 907 121 A2 | 4/7/1999   | EPD     |       |          | X           |    |
| RC | DE 44 40 510 A1 | 11/12/1994 | Germany |       |          |             | X  |
|    |                 |            |         |       |          |             |    |
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| Re | 1. | European Search Report dated March 16, 2004 issued in a counterpart application, namely, Appln. No. 03028172.9. |
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